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OVERGLAZE

G-480 Series

Acid Resistant, Cadmium-Free Overglaze

ESL G-480 Series are low temperature firing, semi-gloss, acid resistant, screen printable overglazes. They are specially formulated for use with the R-300-A/B Resistor Series. Because of their acid-resistant properties, they are particularly well suited for use with chip resistors. The G-481 is green in color and is used for the first coating over the resistor prior to laser trim. The G-482 is designed for use as the final glass coating. All may be used where resistance to acid plating baths is desired. This Series may also be used for marking applications. All materials are cadmium-free.

PASTE DATA

RHEOLOGY:	Thixotropic, screen printable paste
VISCOSITY:	
(Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C)	225±50 Pa·s
COLOR:	
G-481	Green
G-482	Black
G-483	Colorless
G-484	White
SHELF LIFE: (25°C)	6 months
PROCESSING	
SCREEN MESH/EMULSION:	325 mesh/20 μm
SCREEN MESH/EMOLSION.	525 mesn/20 µm
LEVELING TIME:	5-10 minutes
G-480 Series 0108-F	

ESL Affiliates

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DRYING AT 125°C:	10-15 minutes
FIRING TEMPERATURE RANGE:	600°C-625°C
TIME AT PEAK:	10-15 minutes
SUBSTRATE FOR CALIBRATION:	96% alumina
THINNER:	ESL 401
TYPICAL PROPERTIES	
FIRED THICKNESS:	7-13 μm

G-480 Series 0108-F

CAUTION: Proper industrial safety precautions should be exercised in using these products. Use with adequate ventilation. Avoid prolonged contact with skin or inhalation of any vapors emitted during use or heating of these compositions. The use of safety eye goggles, gloves or hand protection creams is recommended. Wash hands or skin thoroughly with soap and water after using these products. Do not eat or smoke in areas where these materials are used. Refer to appropriate MSDS sheet.

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